

TECHNICAL DATA SHEET

FILL & FIX & BOND FOAM

DATE: 14/09/2011

1. COMPANY & PRODUCT INFORMATION

Supplier:	Macsim Australia Pty Ltd
Address:	10 Wonderland Drive Eastern Creek, NSW, 2766
Phone:	(+612) 9881 2400
Fax:	(+612) 9881 2444
Product Name:	Fill & Fix Bond Foam
Classification:	Construction Foam
Product Use:	Fill & Fix Bond Foam is a one component insulation and construction foam developed to make a seal between construction parts. The Foam cures in response to humidity from air and from building materials. Can be used for filling empty spaces, insulating, filling holes and cracks, filling between pipes and sound deadening. Prevents water and unwanted pest penetrating. Can be painted. It is a powerful adhesive and fire retardant.
Product Code:	53MPF (600ml), 53MPF750 (750ml) & 53MPFG (700ml Gunable)

2. TECHNICAL DATA

Basis	Polyurethane
propellant free of:	(H) CFK
Colour:	Cream
Application temperature:	+5°C to +35°C (Best +15°C to +20°C)
Can temperature:	min +5°C
Tack Free Time:	8-12 min (23°C/ 55%RF)
Cutting Time:	60-100/ 30-70 min (23°C/ 55%RF)
Frost Resistant Till -15°C	
During Transport:	Yes
Shelf Life Between +5°C & + 25°C:	12 months
Temperature Resistance After Curing:	-40°C to +90°C
Dimensional Stability:	-5<DS<0
Closed Cells:	ca. 70%
Isolation Value:	30-35 mW / (m.K)
Output (free expansion):	600ml +/-24 litres 750ml +/-30 litres gunable 700ml +/-40 litres
Density After Curing	
600ml/ 750ml Can:	20-30 g/l
700ml Gunable:	15-25 g/l
Curing Time	
600ml/ 750ml Can:	60 - 100 minutes (23°C/55%RF)
700ml Gunable:	30 - 70 minutes

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Fire Specification:	Germany:	DIN 4102-1 B2
Other Countries:	DIN 4102-1 B3	
Sound Dampening Value:	DIN 52210	RSTW = 58dB
	Ift Richtlinie	10 mm: RSTW = 60dB
Sound Dampening Value:	SC-01/2:2002-09	20 mm: RSTW = 60dB
Joint Size		
Minimum Width:	8mm	
Maximum Width:	40mm	
Joint Relation Per Application:	80mm 10mm	
	60mm 20mm	
	40mm 30mm	
	30mm 40mm	
Filling Rate Joint With		
600ml, 750ml Can	50-60%	
700ml Gunable Can	100%	

3. APPLICATION

Applications:	Specially designed for joints between separation walls, ceiling and floors. <ul style="list-style-type: none">• Joints around transits of wires and piping through walls and floors.• Perimeter joints around window and doorframes.• Foam has an excellent adhesion on concrete, brick, stone, plaster, wood, metal and many other plastics like polystyrene foam, rigid PU foam and uPVC.
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4. CHARACTERISTICS

CFC Free:	Yes
High Yield:	Yes
Drying Time:	Fast
Solvent Free:	Yes
Direction of Foam:	Any
Environmentally Friendly:	Yes

5. LIMITATIONS

Continuous Water emersion:	Not recommended
Joints limitation:	Wider joints and joints deeper then 50mm are to be filled with multiple layers.
Waiting time between applications:	15 - 30 minutes.
Removal of fresh foam:	Cleaner, thinner or acetone.
Removal of surplus cured foam:	With a knife or spatula and the foam surface can be worked off.

6. PACKAGING

Aerosol:	600ml, 750ml cans & 700 gunable.
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7. SHELF LIFE

Directions: 12 months if kept in a cool, dry place and stored in temperatures between +5°C to +25°C.

8. SURFACES

Type: Porous surfaces such as brick and concrete. Stone, plaster, wood, metal and many plastics like polystyrene foam, rigid PU foam and uPVC.

State of surface: Must be clean and free of grease. Surfaces to be made slightly damp.

Preparation: Protect eyes and wear gloves and working clothes.
Cover floor, furniture and tapestry with paper or foil.
Shake aerosol 20 times before use.

9. OTHER INFORMATION

Additional Information: The information in this TDS is based on our present knowledge to the date of this publication. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. It is only a guide for safe handling, use, storage, transporting and disposal of the product.